It’s what’s inside that counts.

Intel provides computing solutions for everyone, with the widest range of optimized processors available for notebooks, desktops, workstations and servers.

intel.com

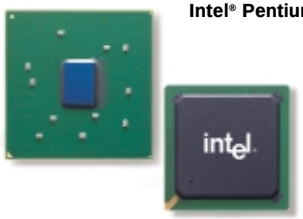
Wireless Mobility

Intel® Centrino™ Mobile Technology

The new Intel® Centrino™ mobile technology is Intel's latest mobile PC product. More than a mobile processor, Intel Centrino mobile technology combines a new microprocessor designed from the ground up for mobility, with a mobile-optimized chipset and an integrated wireless LAN solution. These Intel components have been designed, tested and validated to work together to enable outstanding mobile performance, extended battery life and integrated wireless LAN capability in thinner, lighter notebooks.+ Intel Centrino mobile technology combines new microarchitecture features such as 400 MHz power-optimized system bus, Micro-ops fusion, and dedicated stack manager to enable outstanding mobile performance. Additionally, power-conserving features such as Enhanced Intel SpeedStep® technology and Intel's innovative packaging technology enable extended battery life in thinner, lighter and more innovative designs. Offering significant productivity and lifestyle benefits for business professionals and consumers alike, Intel Centrino mobile technology is the technology of choice for a mobile world.+

- Comprised of 3 components, a new microprocessor designed from the ground up for mobility, a mobile-optimized chipset and an integrated wireless LAN solution, all designed, tested and validated to work together as a single unit
- New microarchitecture features such as power-optimized 400 MHz system bus, Micro-ops fusion, dedicated stack manager and advanced instruction prediction enable higher performance at lower power
- Frequencies of up to 1.60 GHz
- Integrated single band 802.11b and dual band 802.11a/b∞ wireless LAN capability to connect to Wi-Fi* certified access points
- Support for industry-standard and extended wireless LAN security protocols (LEAP, WPA[1], TKIP) to enable enhanced wireless LAN networking security in compliance with evolving industry standards+
- 1 MB power-managed L2 cache
- Support for Enhanced Intel SpeedStep technology with multiple voltage and frequency operating points to enable extended battery life
- Micro FCPGA and FCBGA packaging technology for processor and chipset to enable thinner, lighter notebooks
- Supported by the Mobile Intel® 855 chipset family

Intel® Pentium® M Processor



Intel® 855 chipset family

Intel® PRO/Wireless Network Connection

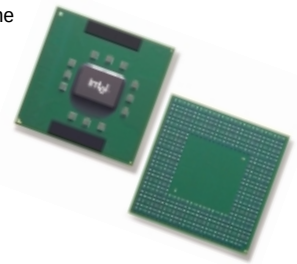
Exceptional technology that enables greater speeds, lower power consumption and optimized application performance.

Notebooks

Intel® Pentium® M Processor

The Intel® Pentium® M processor enables extended battery life in high-performance notebooks for greater freedom without compromising the user's computing experience.+ The new Intel Pentium M processor provides higher CPU performance with a 1 MB power-managed cache. Its power-optimized 400 MHz system bus allows faster execution of instructions while consuming less power. Enhanced Intel SpeedStep® technology, with multiple voltage and frequency operating points, dynamically matches processor performance to application demand, capitalizing on reduced power consumption whenever possible. These and a host of other new power-reducing features make the Intel Pentium M processor the right choice for thin and light notebooks that can operate longer without sacrificing performance.

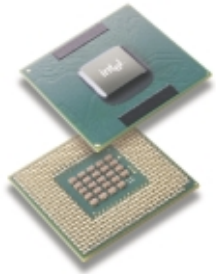
- Frequencies up to 1.60 GHz and higher
- 0.13-micron process technology
- 400 MHz system bus, power-optimized and with Micro-ops fusion
- 1 MB power-managed L2 cache
- Supports Enhanced Intel SpeedStep technology
- Micro FCPGA and FCBGA packaging technologies
- Supported by the Intel® 855 chipset family



Mobile Intel® Pentium® 4 Processor - M

Built on 0.13-micron process technology and Intel® NetBurst™ microarchitecture, the Mobile Intel® Pentium® 4 Processor - M provides great capabilities for graphics and processor-intensive multimedia applications. Features such Enhanced Intel SpeedStep® technology and Deeper Sleep Alert State help to optimize application performance and power consumption enabling long battery life.

- Frequencies up to 2.50 GHz
- 0.13-micron process technology
- 400 MHz system bus
- 512 KB L2 cache
- Supports Enhanced Intel SpeedStep technology and Deeper Sleep Alert State
- Includes instructions such as second-generation Streaming SIMD Extensions (SSE2) for accelerating video, multimedia, 3D, imaging and encryption
- Micro FCPGA packaging technology
- Supported by the Mobile Intel® 845 chipset family and Intel® 852GM chipset



Notebook products that fit the needs of every mobile market segment.

Mobile Intel® Celeron® Processor

The Mobile Intel® Celeron® processor offers responsive performance and exceptional value in mobile PCs for home and school. The Mobile Intel Celeron processor is a good choice for anytime, anywhere computing.

- Frequencies up to 2.20 GHz
- 400, 133 and 100 MHz system bus
- 256 KB L2 cache
- Supported by the Mobile Intel® 845 and 830 chipset families, and Intel® 852GM chipset

Desktops

Intel® Pentium® 4 Processor with HT Technology[2]

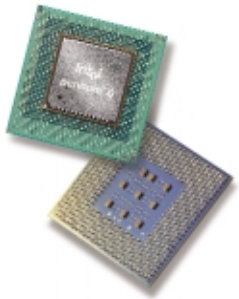
The Intel® Pentium® 4 Processor with HT Technology breaks new ground by combining world-class frequency—at 3 GHz and above—with innovative Hyper-Threading (HT) Technology to provide an incredible business and home computing experience. Hyper-Threading Technology enables the processor to execute two software tasks or threads simultaneously—taking performance and system responsiveness to new levels. By deploying the Intel Pentium 4 Processor with HT Technology, business users see an immediate increase in PC responsiveness in today's multitasking environments while IT organizations gain more performance to run background tasks such as virus checking, file encryption and file compression. At home, an Intel Pentium 4 Processor with HT Technology-based PC delivers processing strength for demanding applications and digital entertainment with the headroom for future technologies and software.

- Available at frequencies of 2.40C, 2.60C, 2.80C, 3 and 3.06 GHz
- Hyper-Threading Technology
- Intel® NetBurst™ microarchitecture
- 800 MHz system bus (533 MHz system bus for 3.06 GHz)
- Rapid Execution Engine
- 2.40C, 2.60C, 2.80C and 3 GHz core frequencies supported by all Intel® chipsets with 800 MHz FSB

Intel® Pentium® 4 Processor

The Intel® Pentium® 4 processor provides productivity and flexibility in today's demanding, multitasking business environment, as well as outstanding performance for an awesome digital media experience in the home. The Pentium 4 processor features the Intel® NetBurst™ microarchitecture, which is based on breakthrough technology and is designed for scalable, high performance. Pentium 4 processor-based PCs provide performance with purpose for users of mainstream and advanced applications at work, at home and at school.

- Frequencies up to 2.80 GHz
- Intel NetBurst microarchitecture
- Hyper-pipelined technology
- 533 MHz system bus available on processors with core frequency of 2.26 GHz and above; others have a 400 MHz system bus
- Rapid Execution Engine
- 144 new instructions, including second-generation Streaming SIMD Extensions (SSE2)
- Supported by the Intel® 850 and 845 chipset families

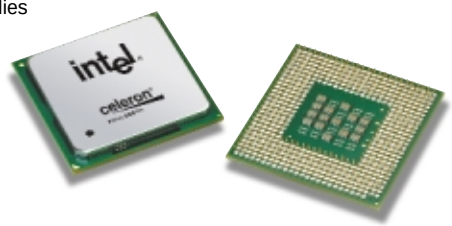


Desktop processors that provide outstanding business and home computing performance.

Intel® Celeron® Processor

Designed for desktop value PCs, the Intel® Celeron® processor offers exceptional value with all the dependability you expect from Intel. The Intel Celeron processor is a good choice for many everyday tasks, including word processing, e-mail and browsing the Internet.

- Frequencies up to 2.40 GHz
- Integrated L2 cache (128 KB or 256 KB)
- 400 MHz system bus on processors with core frequency of 1.70 GHz and above; others have a 100 MHz system bus
- Supported by the Intel® 810, 815 and 845 chipset families

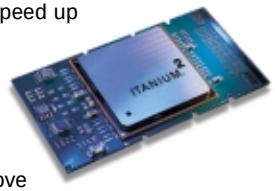


Servers and Workstations

Intel® Itanium® 2 Processor

Platforms based on the Intel® Itanium® 2 processor bring new levels of compute parallelism, scalability and reliability to enterprise and technical computing. Itanium 2-based servers and workstations enable industry-leading performance while extending Intel's value economics to the most data-intensive, business-critical and technical applications. Itanium 2-based platforms offer exceptional compatibility, with a choice of enterprise operating systems and applications from leading software vendors.

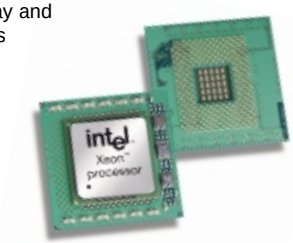
- Frequencies up to 1 GHz
- EPIC (Explicitly Parallel Instruction Computing) technology, with two more integer units and two more issue ports than the first-generation Intel Itanium processor
- 3 MB integrated L3 cache; 256 KB L2; and single-cycle latency L1
- 400 MHz system bus, with 6.4GB/second bandwidth
- Floating-point architecture, to speed up complex calculations
- Advanced machine check architecture, including hardware error detection and correction
- Scales to large 4, 8, 32 and above symmetric multi-processing (SMP) systems
- Supported by Intel® E8870 chipset (in addition to OEM custom chipsets)



Intel® Xeon™ Processor Family for Servers

The Intel® Xeon™ processor family for servers offers innovative server technologies such as Intel® NetBurst™ microarchitecture and Hyper-Threading Technology. For multi-processor (MP)-based servers, the Intel Xeon processor MP also offers the first three-level cache architecture in a 32-bit server processor for excellent performance and scalability on multithreaded applications. These and many other innovations enable dual-processor and multi-processor (MP)-based servers to deliver performance, dependability, value and versatility for anything from departmental server applications to enterprise and e-Business multi-processor applications.

- Frequencies up to 3.06 GHz (up to 2 GHz for MP-based servers)
- 533/400 MHz system bus for dual-processor (DP)-based servers (400 MHz system bus for MP-based servers)
- Available in dual-processor, 4-way, 8-way and greater-than-8-way server configurations
- 512 KB L2 Advanced Transfer Cache
- Up to 2 MB of integrated L3 cache for MP-based servers
- Supported by the Intel® 7500 family of chipsets (for DP-based servers) in addition to OEM custom chipsets (for MP-based servers)



Powerful servers to run data-intensive applications.

Intel® Xeon™ Processor for Workstations

The Intel® Xeon™ processor for workstations brings new levels of performance to dual-processor (DP)-based workstation platforms. Targeted application categories include: manufacturing, digital media, digital content creation and financial analysis.

- Frequencies up to 3.06 GHz
- Intel® NetBurst™ microarchitecture with Hyper-Threading Technology
- 533/400 MHz system bus
- 512 KB on-die L2 Advanced Transfer Cache
- Dual-processor configurations for high performance workstations
- Supported by the Intel® E7505 chipset

As technology becomes increasingly central to our lives, the differences among users become more pronounced. That's why Intel customizes its processors for specific market segments. Together with computer systems manufacturers throughout the world, Intel provides a broad range of choices for every computing need. All of today's Intel® processors build on innovative technologies to deliver performance, compatibility and reliability across a broad spectrum of computing needs.

	Servers	Workstations	Desktops	Notebooks
Intel® Itanium® 2 processor for the highest levels of performance technology and scalability for the most data-intensive, business-critical applications	✓	✓		
Intel® Xeon™ processor family for powerful and cost-effective servers and workstations to run the broadest range of applications	✓	✓		
Intel® Pentium® 4 Processor with HT Technology for multitasking and performance-hungry business, home users, and entry-level workstations		✓	✓	
Intel® Pentium® 4 processor for mainstream business and home users			✓	
Intel® Centrino™ mobile technology for outstanding mobile performance with freedom and flexibility of being unwired in business and home computing				✓
Intel® Pentium® M processor for outstanding mobile performance in business and home computing				✓
Mobile Intel® Pentium® 4 Processor - M for great performance targeted at the occasional mobile PC consumer				✓
Intel® Celeron® processor for excellent value in desktop PCs and mobile PCs			✓	✓

For more information visit intel.com/ebusiness

[+] Wireless connectivity and some features may require you to purchase additional software, services or external hardware. Availability of public wireless LAN access points limited. System performance measured by MobileMark* 2002. System performance, battery life, wireless performance and functionality will vary depending on your specific hardware and software configurations. See http://www.intel.com/products/centrino/more_info for more information.

[∞] Dual band availability targeted to follow Intel Centrino mobile technology launch, contact your PC manufacturer for more details.

[1] WPA and LEAP support available in future Intel® PRO/Wireless software update, contact your PC manufacturer for more details.

[2] Look for systems with the Intel® Pentium® 4 Processor with HT Technology logo which your system vendor has verified utilize Hyper-Threading Technology. Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See http://www.intel.com/info/hyperthreading for more information including details on which processors support HT Technology.

* Other names and brands may be claimed as the property of others.

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